do ser el sus of 8/13/04

Appl. No. 10/003,908 Amult dated August 13, 2004 Reply to Office Action of May 19, 2004.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listings of Claims:

Claim 1: (currently amended) A method of operating a deposition process chamber, the method comprising:

placing a substrate in said process chamber;

depositing a film on said substrate, said depositing leaving a deposition residue on an interior surface of said chamber; <u>and</u>

cleaning said deposition residue from said interior surface by creating a fluorine-containing plasma in said chamber, said fluorine-containing plasma leaving a fluorine-containing contaminant on said interior surface; and thereafter removing said fluorine-containing contaminant by

supplying an oxygen-containing gas into the process chamber;

supplying a hydrogen-containing gas into the process chamber, said hydrogen-containing gas;

producing a plasma comprising of a mixture of the oxygen-containing gas and the hydrogen-containing gas, thereby exothermically producing H₂O;

causing so that the plasma to react reacts with the fluorine-containing contaminant to form a fluorine-containing material; and

removing the fluorine-containing material from the process chamber.

Claim 2: (previously presented) The method of claim 1, wherein the hydrogen-containing gas is selected from a group consisting of NH₃ and H₂.

Claim 3: (previously presented) The method of claim 1, wherein the oxygen-containing gas is selected from a group consisting of N_2O , O_2 and air.

Claim 4: (canceled)

Claim 5: (previously presented) The method of claim 1, wherein producing the plasma produces an ion flux to an interior surface of the process chamber, so that the ion

STLICON VALLEY ATENT CROUP LLP 10 Mission College Bloc Smin 360 2011 Sec. 620 9 (408) 982-9200 PAK (408) 982-9210